

case study

This development complies with all of the five Designing **Streets Policies:**

- Street Design should consider place before movement.
- Street Design Guidance as set out in Designing Streets can be a material consideration in determining planning applications and appeals.
- Street Design should meet the six qualities of successful places, as set out in Designing Places.
- Street Design should be based on balanced decisionmaking and must adopt a multidisciplinary collaborative approach.
- Street Design should run planning permission and roads construction consent (RCC) processes in parallel.

Calderwood Phase 1, West Lothian Location:

Stirling Developments Developer:

11.1 hectares; 196 new homes for phase 1 Size:

Type: New Residential

Planning Consents Granted for first phase of Masterplan Stage:



a new secondary school, two primary schools, walking culture. as the main access route.

Streetscapes have been considered as carefully • Principal streets provide key traffic routes. own specific character.

- a park and ride facility, and a cemetery. The first Local Streets and 'Homezones' will be with a range of parking configurations. phase is due to start summer 2013 on land which focused on residents, pedestrians and cyclists SUDS is provided using permeable surfacing, lies either side of an old farm road that will serve with shared surfaces - promoting activity on the which is piped to attenuation pods or the new
- as individual houses and landscaping. There is Standardised layouts, signing, kerb details and Consents have been obtained; these have a hierarchy of streets, each designed to have its markings have been avoided and there is a series proceeded in parallel with Planning Consents. LA of pedestrian-friendly junctions which require Roads Engineers were involved from the outset, • Attractive convenient greenways provide motorists to think about the environment they are and there have been no major changes to master safe green routes to schools and throughout the passing through. Design speeds are less than 20 plan proposals. area. Calderwood is flat and sheltered and is mph with low speeds of 10-15 mph on smaller

The developer plans to build 2300 new homes, therefore ideally placed to support a cycling and streets and links. Parking areas are deliberately broken down into the smallest possible groupings.

Drovers Walk Water Course.

A number of phased Roads Construction

Site: Calderwood Phase 1, West Lothian

Developer: Stirling Properties Size: 11.1ha; 275 Homes **Type: New Residential** Scale: Not to scale

The Masterplan is illustrated below, showing the context around the site.



Step 1: B-Plan the Masterplan

Produce a B-Plan to the same scale as the Masterplan. This uses colour coding to make analysis easier (illustrated on page 21 of Designing Streets). It highlights the relationships between the plan's elements of movement, buildings and green space.



Greenspaces integrated within housing





Step 2: Movement Analysis

Extract the movement (yellow) layer from the B-Plan. This will consist of streets as well as paths, closes, pends, squares etc. Annotate to specific points or places on the plan where the street design can be assessed against the key considerations within Designing Streets.



Pedestrians and cyclists -Formal and informal crossings

establish street hierarchy and

contribute to ease of pedestrian

movement along desire lines.

Junctions for pedestrians first - creative use of planting and materials allow pedestrians to continue along desire lines with minimum diversion.

Walkable neighbourhood

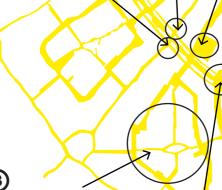
- access to local shops and community cafe is a priority.

> Streets for people - social spaces throughout, pedestrian movement given importance.

Traffic calming provided by roads geometry and junction types /materials rather than traffic

calming features. By blurring the vehicular hierarchy, the design

offers pedestrian priority.



Layout is permeable, with no cul-de-sacs.

Distinctive block structure - Streets converge around wider 'social street' and lead to village centre, adding character. Variety of streetscapes enhances sense of place.

Range of parking types on-street;off street; extended car parking at centre of village.

Public Transport - located within walking distance.

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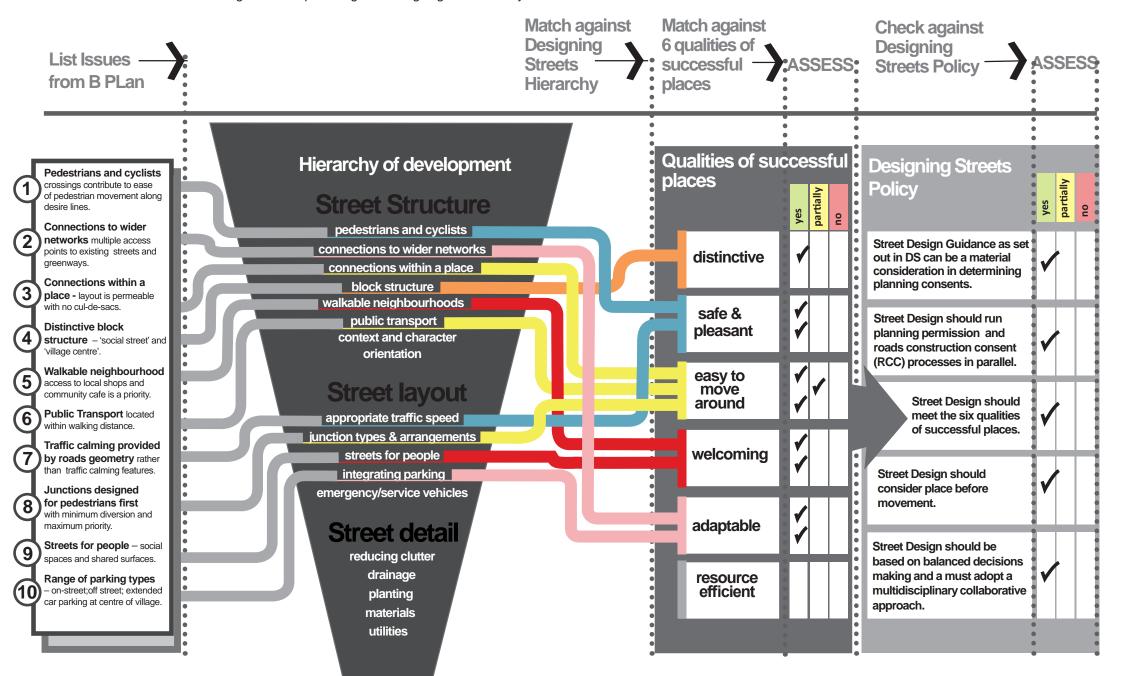
Connections to wider networks multiple access points to existing streets and greenways.

Sketches of key junctions and street types









1	2	3
4	5	6

- 1. Hierarchy of thoroughfares. Network of streets and green paths.
- 2. Creative junction type, streets lined with trees for reduced forward visibility, slowing traffic.
- 3. Shared surface streets and parking arrangement.
- 4. Junctions for people.
- 5. Social Squares integrated in street pattern.6. Pattern of Community Gardens within built fabric.



Images











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